BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARINAGAR ZONE
ELECTRICAL DIVISION
DETAILED ESTIMATE FOR PUBLIC WORKS

Name of the Work: providing M&R to Electrical installation at JP park children park in ward no 17.						
Est. No.AEE/ELE/RRNZ/ EST/ / 16-17			Job Code:017-16-000021			Est cost: Rs 100000 .00
Sl no	**SR REF**	**Description**	**Unit**	**QTY**	**Rate**	**Amount in RS**
1	1.9	Supplying PVC/GI flexible conduit pipe...mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely (Item No. - 1.9)				
	1.9.1	20mm (Item No. - 1.9.1)	Mtr	20	23.00	460.00
2	2.5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. (Item No. - 2.5)				
	2.5.2	1.5 sqmm (Item No. - 2.5.2)	Mtr.	25	18.60	465.00
	2.5.3	2.5 sqmm (Item No. - 2.5.3)	Mtr.	50	29.20	1460.00
3	2.8	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to				
	2.8.8	3C X 2.5Sq.mm (Item No. - 2.8.8)	Mtr.	100	81.60	8160.00
4	4.12	Supplying 70Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shape, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, holder and lamp, IP 54 protection. Electrical safety class 1. The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230V 50Hz AC Supply with 70Watts MH Lamp.	Each	3	6724.00	20172.00
5	4.13	Supply of Post Top Lantern suitable for .....W CFL lamp, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Electronic ballast. Body shall be with aluminum extrusion with lamp & ballast replaced from top - nominal				
	4.13.1	1x18 Watts (Item No. - 4.13.1)	Each	10	2522.00	25220.00
6	4.22	Supplying of heavy duty water tight, under water luminary with corrosion resistant, nickel plated brass housing with flange on the top, 2 cable entries at the bottom with double compression water tight brass gland, clear glass cover with rubber gasket on both sides mounted in a brass frame. Glass cover assembly fixed to the flange with 6Nos SS bolts and fly nuts ES lamp holder on a bracket suitable for 120W 230Volts Par/reflector lamp, prewired with Teflon sleeve up to the terminal block with 100/120W Par	Each	2	4800.00	9600.00
7	7.4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A. (Item				
	7.4.4	4 core 16 sqmm (Item No. - 7.4.4)	Mtr	100	140.40	14040.00
8	7.8.A	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. (Item No. - 7.8.A)				
	7.8.A.1	6 sqmm to 16 sqmm (Item No. - 7.8.A.1)	Mtr	100	10.80	1080.00

	SR REF	Description	Unit	QTY	Rate	Amount in RS
9	7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) (Item No. - 7.9)				
	7.9.1	In soil (ordinary) (Item No. - 7.9.1)	Mtr	80	78.00	6240.00
10	7.1	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm all-round the cable. (Item No. - 7.1)	Mtr	80	103.00	8240.00
11	7.22.A	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire (Item No. - 7.22.A)				
	7.22.A.3	8 SWG (Item No. - 7.22.A.3)	Mtr	20	19.50	390.00
12	8.14	Supplying and fixing of Spiral Earth Electrodes as per standard technical specification as per BESCOM. (Item No. - 8.14)	Each	8	544.00	4352.00
		Miscellanious and round off				121.00
		Total				**100000.00**

1) Certified that,the work spot has been inspected by me & prepared the estimate in most economical way of executing the work.

2.) The Provisions made in the estimate are adequate and are necessary.

3.) The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.

4.) The rates in the Estimate is based on the KPWD (Elect) SR 2014-15.

Junior Engineer(Electrical)
RR Nagar Zone
BBMP

Assistant Executive Engineer (Elect)
RR Nagar Zone
BBMP

Executive Engineer(Elect)
RR Nagar Zone
BBMP

Administrative Sanctioned for Rs. 100000.00
Rs. Rupees one lakh only
.....Is accorded
under ... P0298 .....
By EE ... page 18&19 ... 52/16-17 Subject
Re... enclosed memo
to ...
No. 52/16-17 Date. 10/5/16
AE, (Elect) RRN EE, (Elect) RRN

Technically Sanctioned for Rs. 100000.00
Rs. Rupees one lakh only
.....Is accorded
under the head P0298
By EE (T... RRN) page 16&17
Registered ... No. 44/16-17 Subject
to conditions contained in enclosed memo
No. 44/16-17 Date. 11/5/16
AE, (Elect) RRN EE, (Elect) RRN